*DIFFERENCE BETWEEN SCRUM AND KANBAN*

|  |  |  |
| --- | --- | --- |
|  | Scrum | Kanban |
| **Origin** | Software development | Lean manufacturing |
| **Idealogy** | Learn through experiences, self-organize and prioritize, and reflect on wins and losses to continuously improve | Use visuals to improve work-in-progress |
| **Cadence** | Regular, fixed-length sprints (i.e. two weeks) | Continuous flow |
| **Practices** | Sprint planning, sprint, daily scrum, sprint review, sprint retrospective | Visualize the flow of work, limit work-in-progress, manage flow, incorporate feedback loops |
| **Roles** | Product owner, scrum master, development team | No required roles |
| **Method** | It follows the iterative method. | It does not follow the iterative approach |
| **Solving Problem** | To solve a problem, it breaks it into small tasks and then processes it further. | It does not break a problem into sub-problems. |
| **Approach** | It is a highly prescriptive approach. | It is not much prescriptive as compared to Scrum. |
| **Visualization Process** | There is no visualization process to perform tasks. | There is a visualization process to perform tasks. |
| **Track of progress** | There are sprints that keep track of the progress of any project. | They use task cards to keep track of the progress of any project. |
| **Completion** | It is processed in successive sprints to complete a task. | It is used to optimize the task to complete a project. |
| **Preferred when** | It is not preferred when resources are limited. | It is preferred when tasks and resources are limited. |
| **Team** | Only one team owns a sprint backlog. | The sharing among multiple teams is possible with Kanban board. |
| **Centered** | The scrum methodology is centered on the backlog. | The Kanban methodology is centered on the process dashboard. |
| **Suitable Projects** | It is suitable for projects that have changing priorities. | It is suitable for projects that have stable priorities i.e. unlikely to change over time. |
| **Production Measurement Metric** | “Velocity” through sprints is a production measurement metric. | “Cycle time” is a production measurement metric. |
| **Cycle** | One to four weeks make up a sprint cycle. | The delivery cycle is continuous. |
| **Tools** | Some of the Tools-   * Jira Software * Axosoft * VivifyScrum and more. | Some of the Tools-   * Jira Software * Kanbanize * SwiftKanban * Asana and more |